C-A MAINTENANCE, MODIFICATIONS, AND REPAIRS SCHEDULE

R. Zaharatos –November 7, 2001

SCHEDULE SUMMARY

Maintenance Begins:	November 8, 2001, 0800hrs (protons beam off 0400hrs for cool-down, final RHIC store no later then 0600)
Maintenance Ends For AGS/Booster/Linac:	November 8, 2001, 1200hrs
RHIC Maintenance Ends:	November 8, 2001, 1600hrs
RHIC - secured for beam:	November 8, 2001, 1800hrs

Machine Areas Access For :

AGS	Controlled Access - Nov. 8, 0800hrs to 1300hrs
Booster	Controlled Access - No access requests
SEB	Controlled Access - No access requests
ATR/U Line	Controlled Access - 1100-1200hrs
Linac	Controlled Access(HEBT Plug Door) - 0900-1100
RHIC	Restricted Access - sectors 12, 4, 9, and all IR's. (HP surveys required for sectors 12 & 9).

C-A POWERED TESTING REQUESTS

1. RHIC – Snakes at 3 and 9 O'clock(Bruno)
2. Westinghouse Motor/Gen. - test operation of brake with full AGS Main Mag. load(1300-1430hrs)
3. RHIC - Quench Detection tests(Ganetis, 0800-end of shutdown)

PRIMARY JOBS

JOBS STATUS CODE: **C** complete **IP** in-process **RS** reschedule **CAN** cancelled

AGS RING EQUIPMENT

1. Reinstall C20 Polarimeter(Mahler, Vacu. Sys.)
2. C20 Polarimeter - support new PMT installation(Beam Comp.)
3. Begin cabling installation for Gamma Tr modification(PPS Grp.)
4. H10 Septum - Improve video(Inst. Grp.)

AGS EXTERNAL EQUIPMENT

1. Westinghouse Motor/Generator - clean brushes
2. Polarized Protons Instrumentation - gain changes as required(Beam Inst.)
3. Repair steam condensate line at Bldg. 912(adjacent to F-18), (PE)
4. H10 water system - modify PLC load(Water Sys. Grp.)

ATR

1. UF2 video - check neutral density filters(UGE1 Gate entry), (Beam Inst.)

BOOSTER EQUIPMENT

1. Booster Main P.S. 2F - check for water leak
2. Rig Main P.S. replacement transformer into subyard.(0830hrs)

LINAC

1. SNS Laser Box work in HEBT(2hrs)
2. Inspection of HEBT 2&3 turbo valves(Vac. Grp.)

RHIC

IR's

1. PHENIX - experimental set-up(8hrs)
2. STAR - experimental set-up and P.S. repairs(8hrs)
3. PHOBOS - experimental set-up(2hrs)
4. BRAHMS - experimental set-up(4hrs)

SUPPORT SYSTEMS

1. Building 1010A roof fan - repair automatic louvers mechanism

TUNNEL

1. Snakes - continue installation and p.s.'s commissioning (Alcoves 9C and 3C) - (Bruno)
2. Polarimeter Sect. 12 - Install new camera assemblies(Beam Inst.)
3. Install Scintillators at 12 o'clk for PHENIX(Collider Mech.)
4. Local IR Polarimeter Sect. 12 - support installation/set-up(8hrs. +), (Beam Comp.)
5. Crystal Collimator Sect. 7 - repair drive electronics(Beam Comp.)
6. RF Sect. 4 - re-feed two power circuits(Elect.)
7. Remove scaler board and chipmunk in 1009A Alcove(Ctrls. Grp.)
8. Replace turbo controller at 7 0'clk triplett(Vacu. Sys.)
9. Repair BPM's in Sect. 8(IP 8, g8 DX)(High Freq. Inst. Grp.)
10. Replace 50A Corrector P.S.'s - one in 1C, 3C and 9A(PP Grp.)
11. Quench System 1008B - put resistor mod in QPA for blue q89 and yellow q89
12. Diagnose and repair turbo pump Y05TMPPI8.1(Vacu. Grp.)
13. AC Dipole, Sect. 4 - Modify water system to increase flow(Water Sys. Grp.)
14. Install RGA in 12 o'clk IP(Vacu. Grp.)
15. RF Cavity X2 - install rebuilt piston(RF Grp.)

DETAILED SCHEDULE

8 Nov.	0400	Linac/SEB off for AGS Ring cool-down(close LTB Beam Stop) Tandem available for RHIC injection AGS Controlled Access LOTO prior to 0700hrs
	0700	Linac/BLIP off for cool-down. Close Tank 1 Beam Stops. If RHIC store has been dumped - begin RHIC HP surveys of Sects. 9 and 12 for Restricted Access
	0800	RHIC beam off for maintenance shutdown. Prepare for RHIC Access.(all IR's to Restricted Access other surveys as required) Begin HP cursory and job specific surveys of AGS Ring.
	0830-1200	AGS Controlled Access entries
	0900-1100	Linac Controlled Access entry(Plug Door)
	1200	Linac and Booster start-up with Polarized Protons
	1230-1300	AGS Ring - secure for beam. Remove LOTO.(Westinghse. first for powered testing into ring)
	1400-1500	Begin RHIC sweeps of those sectors where work has been completed.
	1600	RHIC shutdown access ends. Continue with sweeps
	1800	RHIC beam set-up